11/25/86 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

September 1986

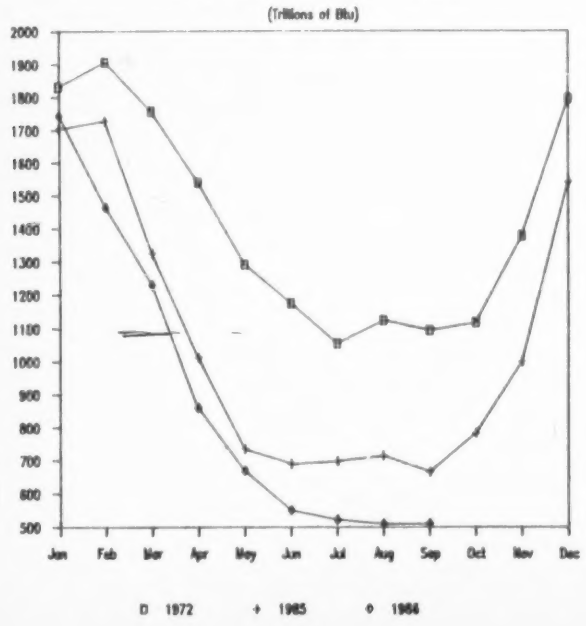
Residential sales increased while commercial, industrial, and electric generation sales decreased in September, 1986 compared with last year. Total utility sales were down from 666.0 trillion Btu in September, 1985 to 510.4 trillion Btu in September, 1986. Transportation volumes to end-users were up 28.6 percent compared with last year.

GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

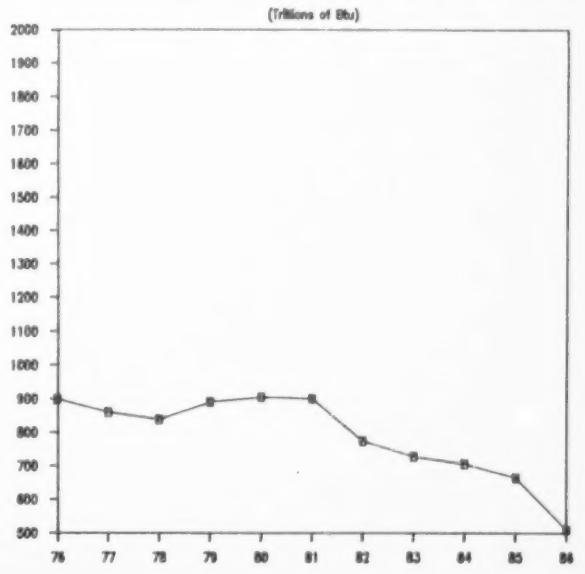
| | September | | | Year-to-Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1986 | 1985 | %Change[1] | 1986 | (% Change) Last Period | 1986 Forecast[2] | 1985[R] | % Change |
| Residential | 134.4 | 131.2 | + 2.5 | 3,207.8 | - 2.3 | 4,400.9 | 4,513.0 | - 2.5 |
| Commercial | 86.7 | 92.1 | - 5.9 | 1,646.2 | - 3.2 | 2,268.1 | 2,338.1 | - 3.0 |
| Industrial | 163.0 | 252.7 | - 35.5 | 2,177.1 | - 20.6 | 3,122.2 | 3,686.2 | - 15.3 |
| Elec. Gen. | 121.5 | 184.4 | - 34.1 | 940.9 | - 35.8 | 1,424.3 | 1,948.7 | - 26.9 |
| Other | 4.8 | 5.6 | - | 91.7 | - | 129.2 | 129.5 | - |
| Total Sales | 510.4 | 666.0 | - 23.4 | 8,063.7 | - 13.2 | 11,344.7 | 12,615.5 | - 10.1 |
| Transportation | 161.7 | 125.7 | + 28.6 | 1,341.9 | + 39.9 | | | |
| Total Volumes | 672.1 | 791.7 | - 15.1 | 9,405.6 | - 8.2 | | | |

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




SEPTEMBER TOTAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - SEPTEMBER
(Thousands of Units)

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 191.8 | 185.4 | + 3.5 |
| Electric | 294.4 | 278.6 | + 5.7 |
| Clothes Dryers | | | |
| Gas | 89.2 | 77.4 | + 15.2 |
| Electric | 318.7 | 282.2 | + 12.9 |
| Water Heaters | | | |
| Gas | 290.4 | 273.4 | + 6.2 |
| Electric | 275.5 | 291.5 | - 5.5 |
| Warm Air Furnaces | | | |
| Gas | 217.5 | 195.6 | + 11.2 |
| Electric | 35.4 | 33.5 | + 5.7 |
| Oil | 30.0 | 18.8 | + 60.0 |
| Boilers | | | |
| Gas | 26.1 | 24.6 | + 6.2 |
| Electric | 0.1 | 0.1 | + 51.2 |
| Oil | 15.3 | 11.3 | + 35.3 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - SEPTEMBER

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 155.4 | 147.7 | + 5.2 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 550.5 | 587.0 | - 6.2 |
| Electricity | 389.8 | 380.4 | + 2.5 |
| Fuel Oil | 436.3 | 604.9 | - 27.9 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 46.6 | 60.8 | - 23.4 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 6.70 | 6.93 | - 3.3 |
| Commercial | 5.01 | 5.40 | - 7.2 |
| Industrial | 3.45 | 4.12 | - 16.3 |
| Electric Generation | 2.53 | 3.71 | - 31.8 |
| Total | 4.36 | 4.74 | - 8.0 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 161.7 | 125.7 | + 28.6 |
| For Ultimate Consumers | 52.9 | 47.8 | + 10.7 |
| For Resale | 334.0 | 327.3 | + 2.0 |
| Total | 548.6 | 500.8 | + 9.5 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985[R] | Sep. | 5.086 | 6.010 | 5.503 | 4.321 | 3.930 | 4.872 |
| | Oct. | 5.072 | 6.003 | 5.491 | 4.305 | 3.886 | 4.873 |
| | Nov. | 5.055 | 6.005 | 5.481 | 4.285 | 3.844 | 4.837 |
| | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jan.[R] | 4.975 | 5.888 | 5.386 | 4.217 | 3.778 | 4.759 |
| | Feb.[R] | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar.[R] | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr.[R] | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May[R] | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun.[R] | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul.[R] | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug.[R] | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1984 | Sep. | 5.03 | 7.03 | 5.63 | 4.36 | 4.39 | 4.30 |
| | Oct. | 5.05 | 6.56 | 5.58 | 4.31 | 4.35 | 4.24 |
| | Nov. | 5.15 | 6.01 | 5.47 | 4.37 | 4.40 | 4.29 |
| | Dec. | 5.31 | 5.87 | 5.52 | 4.45 | 4.53 | 4.22 |
| 1985 | Jan. | 5.28 | 5.82 | 5.53 | 4.33 | 4.43 | 4.02 |
| | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1986 forecasts for the residential and commercial sectors are based on available 1986 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1986 monthly data with the remaining months of 1986 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary. R - Revised.

A1725-2

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# Monthly Gas Utility Statistical Report

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October 1986

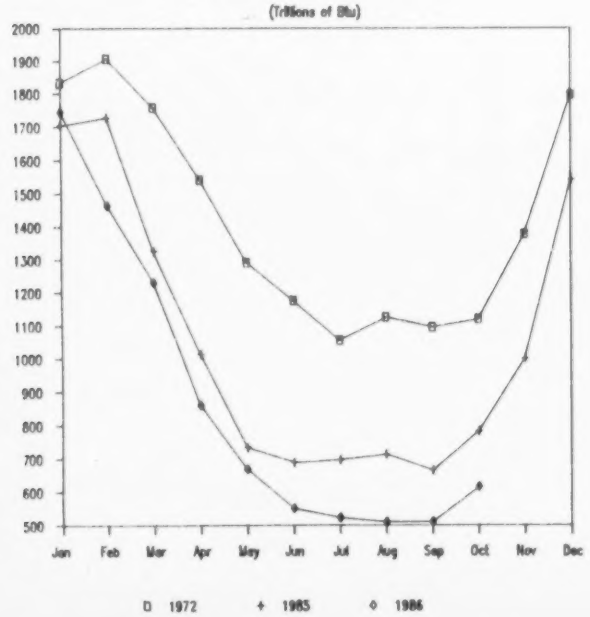
Residential sales increased while commercial, industrial, and electric generation sales decreased in October, 1986 compared with last year. Total utility sales were down from 784.4 trillion Btu in October, 1985 to 616.1 trillion Btu in October, 1986. Transportation volumes to end-users were up 30.0 percent compared with last year.

GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

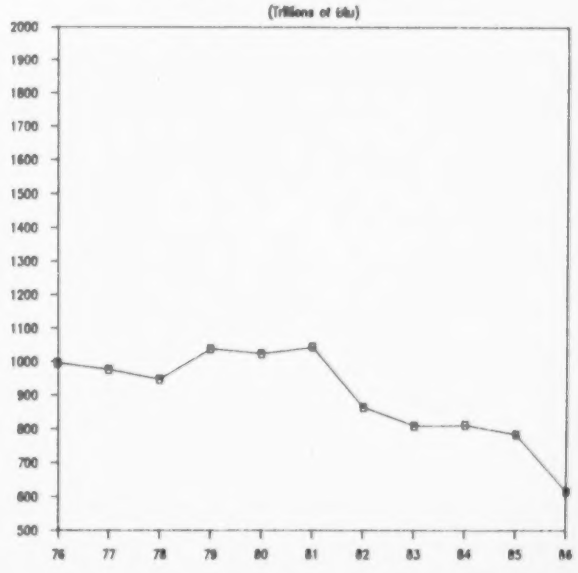
| | October | | | Year-to-Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1986 | 1985 | %Change[1] | 1986 | (% Change) Last Period | 1986 Forecast[2] | 1985 | % Change |
| Residential | 203.8 | 202.6 | + 0.6 | 3,411.6 | - 2.1 | 4,403.7 | 4,513.0 | - 2.4 |
| Commercial | 114.6 | 121.7 | - 5.9 | 1,760.8 | - 3.3 | 2,260.4 | 2,338.1 | - 3.3 |
| Industrial | 188.9 | 280.3 | - 32.6 | 2,366.0 | - 21.7 | 3,030.8 | 3,686.2 | - 17.8 |
| Elec. Gen. | 101.5 | 172.5 | - 41.2 | 1,042.4 | - 36.3 | 1,353.3 | 1,948.7 | - 30.6 |
| Other | 7.3 | 7.3 | - | 99.0 | - | 128.4 | 129.5 | - |
| Total Sales | 616.1 | 784.4 | - 21.4 | 8,679.8 | - 13.8 | 11,176.6 | 12,615.5 | - 11.4 |
| Transportation | 191.6 | 147.4 | + 30.0 | 1,533.5 | + 38.6 | | | |
| Total Volumes | 807.7 | 931.8 | - 13.3 | 10,213.3 | - 8.6 | | | |

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




OCTOBER TOTAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - OCTOBER
(Thousands of Units)

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 182.2 | 183.3 | - 6.0 |
| Electric | 318.6 | 311.1 | + 2.4 |
| Clothes Dryers | | | |
| Gas | 107.0 | 95.0 | + 12.6 |
| Electric | 352.7 | 325.3 | + 8.4 |
| Water Heaters | | | |
| Gas | 346.4 | 334.3 | + 3.6 |
| Electric | 304.8 | 323.0 | - 5.6 |
| Warm Air Furnaces | | | |
| Gas | 251.7 | 219.6 | + 14.6 |
| Electric | 32.2 | 30.4 | + 5.9 |
| Oil | 32.0 | 21.9 | + 46.1 |
| Boilers | | | |
| Gas | 28.9 | 28.9 | - 0.0 |
| Electric | 0.1 | 0.1 | + 75.4 |
| Oil | 17.6 | 12.9 | + 35.7 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - OCTOBER

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 156.7 | 173.0 | - 9.4 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 552.4 | 577.0 | - 4.3 |
| Electricity | 361.3 | 367.1 | - 1.6 |
| Fuel Oil | 434.0 | 620.8 | - 30.1 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 55.0 | 70.0 | - 21.4 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 6.28 | 6.39 | - 1.7 |
| Commercial | 5.04 | 5.35 | - 5.8 |
| Industrial | 3.50 | 4.13 | - 15.2 |
| Electric Generation | 2.44 | 3.73 | - 34.6 |
| Total | 4.54 | 4.82 | - 5.8 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 191.6 | 147.4 | + 30.0 |
| For Ultimate Consumers | 79.3 | 53.0 | + 49.6 |
| For Resale | 448.0 | 347.6 | + 28.9 |
| Total | 718.9 | 548.0 | + 31.2 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Oct. | 5.072 | 6.003 | 5.491 | 4.305 | 3.886 | 4.873 |
| | Nov. | 5.055 | 6.005 | 5.481 | 4.285 | 3.844 | 4.837 |
| | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jan. | 4.975 | 5.888 | 5.386 | 4.217 | 3.778 | 4.759 |
| | Feb. | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1984 | Oct. | 5.05 | 6.56 | 5.58 | 4.31 | 4.35 | 4.24 |
| | Nov. | 5.15 | 6.01 | 5.47 | 4.37 | 4.40 | 4.29 |
| | Dec. | 5.31 | 5.87 | 5.52 | 4.45 | 4.53 | 4.22 |
| 1985 | Jan. | 5.28 | 5.82 | 5.53 | 4.33 | 4.43 | 4.02 |
| | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1986 forecasts for the residential and commercial sectors are based on available 1986 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1986 monthly data with the remaining months of 1986 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary. R - Revised.

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November 1986

Residential and commercial sales increased while industrial and electric generation sales decreased in November, 1986 compared with last year. Total utility sales were down from 1001.6 trillion Btu in November, 1985 to 872.2 trillion Btu in November, 1986. Transportation volumes to end-users were up 41.3 percent compared with last year.

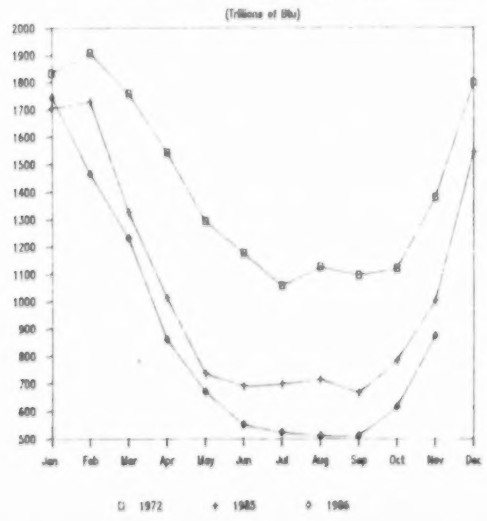
GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

| | November | | | Year-to-Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1986 | 1985 | %Change[1] | 1986 | (% Change) Last Period | 1986 Forecast[2] | 1985 | % Change |
| Residential | 385.7 | 339.3 | + 13.7 | 3,797.3 | - 0.7 | 4,430.7 | 4,513.0 | - 1.8 |
| Commercial | 198.8 | 186.4 | + 6.7 | 1,959.6 | - 2.4 | 2,265.4 | 2,338.1 | - 3.1 |
| Industrial | 198.6 | 304.5 | - 34.8 | 2,564.6 | - 22.9 | 2,924.9 | 3,686.2 | - 20.6 |
| Elec. Gen. | 78.6 | 160.9 | - 51.1 | 1,121.0 | - 37.7 | 1,271.0 | 1,948.7 | - 34.8 |
| Other | 10.5 | 10.5 | - | 109.5 | - | 127.3 | 129.5 | - |
| Total Sales | 872.2 | 1001.6 | - 12.9 | 9,552.0 | - 13.7 | 11,019.3 | 12,615.5 | - 12.6 |
| Transportation | 182.9 | 129.4 | + 41.3 | 1,716.4 | + 38.9 | | | |
| Total Volumes | 1055.1 | 1131.0 | - 6.7 | 11,268.4 | - 8.4 | | | |
| Degree Days* | 588 | 547 | + 7.5 | N/A | N/A | | | |

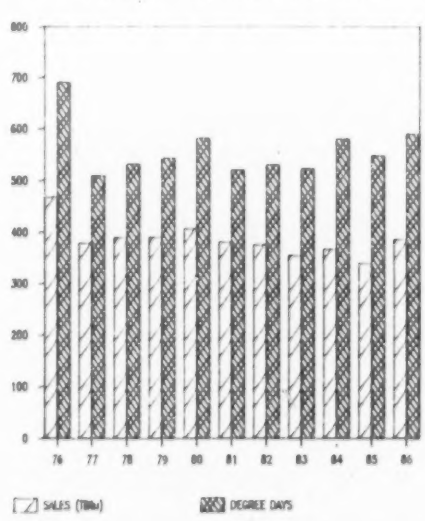
*Source: NOAA (Weighted by Gas Homeheating Customers - Normal for November is 563).

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




NOVEMBER RESIDENTIAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - NOVEMBER
(Thousands of Units)

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 173.0 | 162.1 | + 6.7 |
| Electric | 277.9 | 269.5 | + 3.1 |
| Clothes Dryers | | | |
| Gas | 81.6 | 75.7 | + 7.8 |
| Electric | 268.0 | 264.7 | + 1.2 |
| Water Heaters | | | |
| Gas | 293.9 | 288.2 | + 2.0 |
| Electric | 253.9 | 268.4 | - 5.4 |
| Warm Air Furnaces | | | |
| Gas | 202.1 | 181.0 | + 11.6 |
| Electric | 27.5 | 28.6 | - 3.9 |
| Oil | 20.8 | 16.6 | + 25.6 |
| Boilers | | | |
| Gas | 22.7 | 24.9 | - 8.4 |
| Electric | 0.1 | 0.1 | - 48.7 |
| Oil | 13.8 | 11.6 | + 18.8 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - NOVEMBER

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 116.7 | 124.1 | - 6.0 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 523.7 | 559.9 | - 6.5 |
| Electricity | 354.1 | 356.6 | - 0.7 |
| Fuel Oil | 434.2 | 650.8 | - 33.3 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 63.3 | 72.7 | - 12.9 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.59 | 6.03 | - 7.3 |
| Commercial | 4.84 | 5.34 | - 9.4 |
| Industrial | 3.62 | 4.18 | - 13.4 |
| Electric Generation | 2.47 | 3.71 | - 33.4 |
| Total | 4.67 | 4.95 | - 5.7 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 182.9 | 129.4 | + 41.3 |
| For Ultimate Consumers | 52.9 | 38.5 | + 37.4 |
| For Resale | 409.0 | 277.9 | + 47.2 |
| Total | 644.8 | 445.8 | + 44.6 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Nov. | 5.055 | 6.005 | 5.481 | 4.285 | 3.844 | 4.837 |
| | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jan. | 4.975 | 5.888 | 5.386 | 4.217 | 3.778 | 4.759 |
| | Feb. | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1984 | Nov. | 5.15 | 6.01 | 5.47 | 4.37 | 4.40 | 4.29 |
| | Dec. | 5.31 | 5.87 | 5.52 | 4.45 | 4.53 | 4.22 |
| 1985 | Jan. | 5.28 | 5.82 | 5.53 | 4.33 | 4.43 | 4.02 |
| | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1986 forecasts for the residential and commercial sectors are based on available 1986 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1986 monthly data with the remaining months of 1986 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

3/10/87 A1775-2

American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

December 1986

Residential, commercial, industrial, and electric generation sales decreased in December, 1986 compared with last year. Total utility sales were down from 1544.4 trillion Btu in December, 1985 to 1271.0 trillion Btu in December, 1986. Transportation volumes to end-users were up 43.7 percent compared with last year.

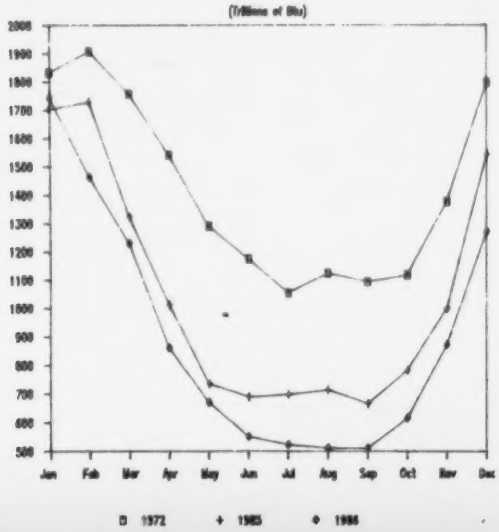
GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

| | December | | | Heating Season (Nov-Dec) | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1986 | 1985 | %Change[1] | 1986 | (% Change) Last Period | 1986 Forecast[2] | 1985 | % Change |
| Residential | 636.2 | 687.0 | - 7.4 | 1,021.9 | - 0.4 | 4,433.5 | 4,513.0 | - 1.8 |
| Commercial | 295.2 | 330.1 | - 10.6 | 494.0 | - 4.4 | 2,254.8 | 2,338.1 | - 3.6 |
| Industrial | 220.9 | 360.3 | - 38.7 | 419.5 | - 36.9 | 2,785.5 | 3,686.2 | - 24.4 |
| Elec. Gen. | 104.6 | 150.0 | - 30.3 | 183.2 | - 41.1 | 1,225.6 | 1,948.7 | - 37.1 |
| Other | 14.1 | 17.0 | - | 24.6 | - | 123.6 | 129.5 | - |
| Total Sales | 1,271.0 | 1,544.4 | - 17.7 | 2,143.2 | - 15.8 | 10,823.0 | 12,615.5 | - 14.2 |
| Transportation | 219.8 | 153.0 | + 43.7 | 402.7 | + 42.6 | | | |
| Total Volumes | 1,490.8 | 1,697.4 | - 12.2 | 2,545.9 | - 10.0 | | | |
| Degree Days* | 819 | 994 | - 17.6 | 1,407 | - 8.7 | | | |

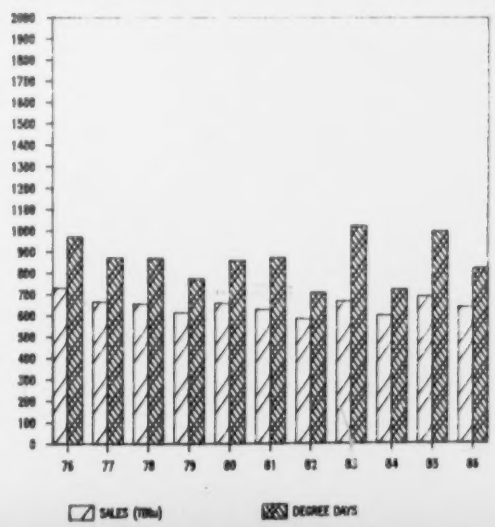
*Source: NOAA (Weighted by Gas Homeheating Customers - Normal for December is 859).

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




DECEMBER RESIDENTIAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - DECEMBER
(Thousands of Units)

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 186.8 | 156.2 | + 19.6 |
| Electric | 283.0 | 255.3 | + 10.8 |
| Clothes Dryers | | | |
| Gas | 79.8 | 68.1 | + 17.2 |
| Electric | 276.7 | 244.9 | + 13.0 |
| Water Heaters | | | |
| Gas | 322.4 | 308.5 | + 4.5 |
| Electric | 278.0 | 286.3 | - 2.9 |
| Warm Air Furnaces | | | |
| Gas | 182.5 | 169.8 | + 7.5 |
| Electric | 27.0 | 25.1 | + 7.4 |
| Oil | 21.4 | 12.9 | + 65.7 |
| Boilers | | | |
| Gas | 19.6 | 14.5 | + 34.9 |
| Electric | 0.1 | 0.1 | - 2.0 |
| Oil | 12.1 | 9.2 | + 32.1 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - DECEMBER

| | 1986 | 1985 | % Change '85 vs '86 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 114.0 | 120.5 | - 5.4 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 523.8 | 556.1 | - 5.8 |
| Electricity | 352.1 | 357.5 | - 1.5 |
| Fuel Oil | 443.9 | 666.4 | - 33.4 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 70.8 | 86.0 | - 17.7 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.21 | 5.54 | - 6.0 |
| Commercial | 4.79 | 5.24 | - 8.6 |
| Industrial | 3.69 | 4.14 | - 10.9 |
| Electric Generation | 2.57 | 3.71 | - 30.7 |
| Total | 4.62 | 4.97 | - 7.0 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 219.8 | 153.0 | + 43.7 |
| For Ultimate Consumers | 53.3 | 29.3 | + 81.9 |
| For Resale | 492.1 | 346.3 | + 42.1 |
| Total | 765.2 | 528.6 | + 44.8 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jan. | 4.975 | 5.888 | 5.386 | 4.217 | 3.778 | 4.759 |
| | Feb. | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1984 | Dec. | 5.31 | 5.87 | 5.52 | 4.45 | 4.53 | 4.22 |
| 1985 | Jan. | 5.28 | 5.82 | 5.53 | 4.33 | 4.43 | 4.02 |
| | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1986 forecasts for the residential and commercial sectors are based on available 1986 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1986 monthly data with the remaining months of 1986 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

4/2/87 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

January 1987

Residential, commercial, industrial, and electric generation sales decreased in January, 1987 compared with last year. Total utility sales were down from 1690.1 trillion Btu in January, 1986 to 1502.7 trillion Btu in January, 1987. Transportation volumes to end-users were up 77.5 percent compared with last year.

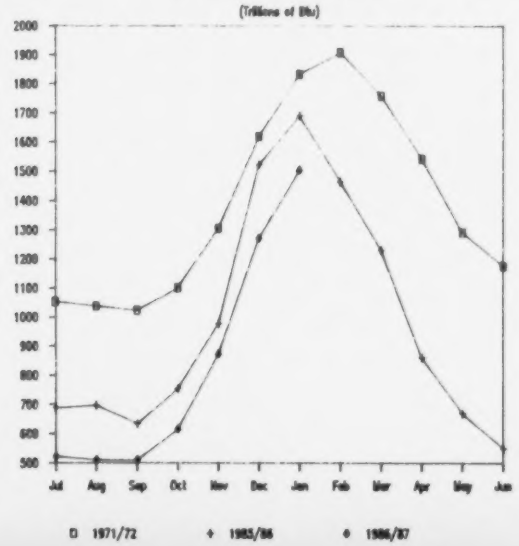
GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

| | January | | | Heating Season (Nov-Jan) | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | 1987 | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 770.5 | 803.4 | - 4.1 | 1,792.4 | - 2.8 | 4,473.8 | 4,419.9 | + 1.2 |
| Commercial | 353.4 | 384.1 | - 8.0 | 847.4 | - 6.4 | 2,295.4 | 2,250.0 | + 2.0 |
| Industrial | 252.2 | 365.1 | - 30.9 | 671.7 | - 35.6 | 2,659.8 | 2,772.7 | - 4.1 |
| Elec. Gen. | 109.1 | 118.4 | - 7.8 | 292.3 | - 35.2 | 1,194.5 | 1,203.8 | - 0.8 |
| Other | 17.5 | 19.1 | - | 42.1 | - | 120.4 | 122.0 | - |
| Total Sales | 1,502.7 | 1,690.1 | - 11.1 | 3,645.9 | - 15.0 | 10,743.9 | 10,768.4 | - 0.2 |
| Transportation | 249.0 | 140.3 | + 77.5 | 651.7 | + 54.2 | | | |
| Total Volumes | 1,751.7 | 1,830.4 | - 4.3 | 4,297.6 | - 8.8 | | | |
| Degree Days* | 933 | 876 | + 6.5 | 2,340 | - 3.2 | | | |

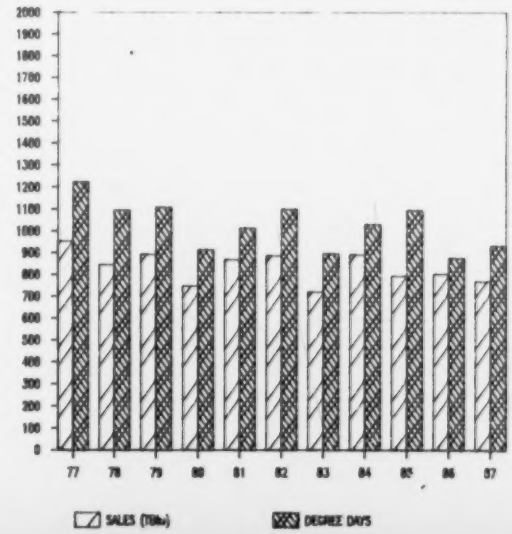
*Source: NOAA (Weighted by Gas Homeheating Customers - Normal for January is 977).

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




JANUARY RESIDENTIAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - JANUARY
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 180.3 | 141.7 | + 27.3 |
| Electric | 282.3 | 265.5 | + 6.3 |
| Clothes Dryers | | | |
| Gas | 93.2 | 83.0 | + 12.3 |
| Electric | 341.7 | 293.4 | + 16.5 |
| Water Heaters | | | |
| Gas | 345.8 | 337.1 | + 2.6 |
| Electric | 287.0 | 302.4 | - 5.1 |
| Warm Air Furnaces | | | |
| Gas | 168.4 | 154.8 | + 8.8 |
| Electric | 31.4 | 33.7 | - 6.9 |
| Oil | 16.2 | 13.8 | + 17.6 |
| Boilers | | | |
| Gas | 12.6 | 13.5 | - 6.9 |
| Electric | 0.1 | 0.1 | + 6.5 |
| Oil | 9.2 | 8.5 | + 8.2 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - JANUARY

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 104.6 | 115.6 | - 9.5 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 526.6 | 555.8 | - 5.2 |
| Electricity | 355.5 | 361.4 | - 1.6 |
| Fuel Oil | 481.0 | 657.1 | - 26.8 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 82.0 | 92.2 | - 11.1 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.15 | 5.45 | - 5.5 |
| Commercial | 4.77 | 5.19 | - 8.1 |
| Industrial | 3.48 | 4.14 | - 15.9 |
| Electric Generation | 2.38 | 3.49 | - 31.8 |
| Total | 4.57 | 4.97 | - 8.0 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 249.0 | 140.3 | + 77.5 |
| For Ultimate Consumers | 62.2 | 35.7 | + 74.2 |
| For Resale | 533.3 | 370.0 | + 44.1 |
| Total | 844.5 | 546.0 | + 54.7 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jan. | 4.975 | 5.888 | 5.386 | 4.217 | 3.778 | 4.759 |
| | Feb. | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan. | 4.643 | 5.634 | 5.018 | 3.665 | 2.520 | 4.320 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | Jan. | 5.28 | 5.82 | 5.53 | 4.33 | 4.43 | 4.02 |
| | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan.[R] | 4.96 | 5.45 | 5.19 | 3.97 | 4.11 | 3.54 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan. | 4.57 | 5.15 | 4.77 | 3.15 | 3.48 | 2.38 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1986 forecasts for the residential and commercial sectors are based on available 1986 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1986 monthly data with the remaining months of 1986 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

5/7/87 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

February 1987

Residential and electric generation sales increased while commercial and industrial sales decreased in February, 1987 compared with last year. Total utility sales were down from 1459.3 trillion Btu in February, 1986 to 1367.8 trillion Btu in February, 1987. Transportation volumes to end-users were up 80.0 percent compared with last year.

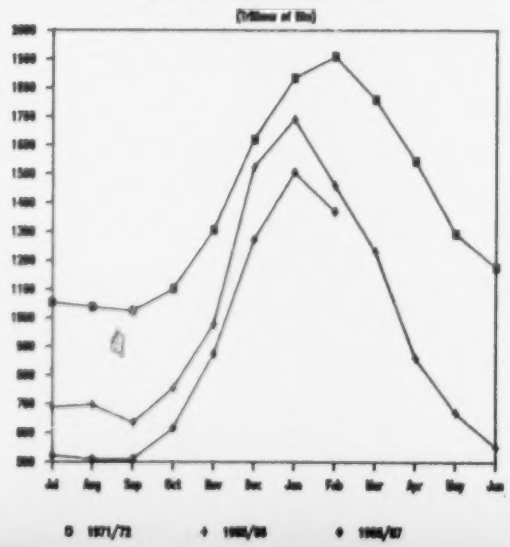
GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

| | February | | | Heating Season (Nov-Feb) | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | 1987 | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 698.9 | 692.7 | + 0.9 | 2,491.3 | - 1.8 | 4,459.0 | 4,419.9 | + 0.9 |
| Commercial | 322.7 | 335.4 | - 3.8 | 1,170.1 | - 5.7 | 2,275.4 | 2,250.0 | + 1.1 |
| Industrial | 222.8 | 325.6 | - 31.6 | 894.5 | - 34.6 | 2,546.6 | 2,772.7 | - 8.2 |
| Elec. Gen. | 105.7 | 88.0 | + 20.1 | 398.0 | - 26.2 | 1,211.2 | 1,203.8 | + 0.6 |
| Other | 17.7 | 17.6 | - | 59.8 | - | 119.4 | 122.0 | - |
| Total Sales | 1,367.8 | 1,459.3 | - 6.3 | 5,013.7 | - 12.8 | 10,611.6 | 10,768.4 | - 1.5 |
| Transportation | 237.4 | 131.9 | + 80.0 | 889.1 | + 60.3 | | | |
| Total Volumes | 1,605.2 | 1,591.2 | + 0.9 | 5,902.8 | - 6.4 | | | |
| Degree Days* | 705 | 762 | - 7.5 | 3,045 | - 4.2 | | | |

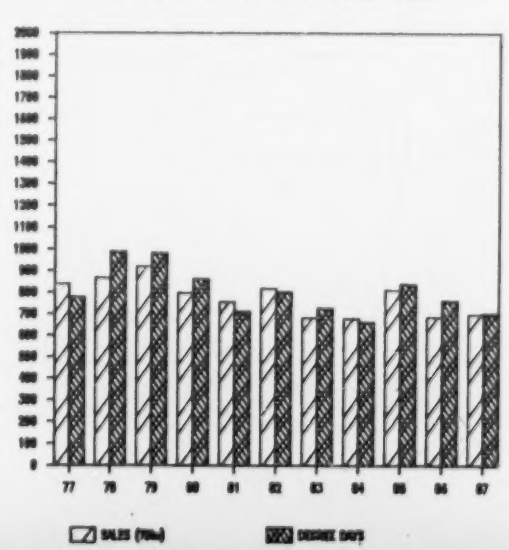
*Source: NOAA (Weighted by Gas Homeheating Customers - Normal for February is 792).

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES



FEBRUARY RESIDENTIAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - FEBRUARY
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 160.2 | 147.3 | + 8.8 |
| Electric | 247.5 | 253.5 | - 2.4 |
| Clothes Dryers | | | |
| Gas | 80.4 | 67.6 | + 18.9 |
| Electric | 285.3 | 240.9 | + 18.4 |
| Water Heaters | | | |
| Gas | 340.0 | 322.8 | + 5.3 |
| Electric | 278.3 | 274.5 | + 1.4 |
| Warm Air Furnaces | | | |
| Gas | 152.7 | 150.4 | + 1.6 |
| Electric | 30.7 | 32.0 | - 4.0 |
| Oil | 13.5 | 11.4 | + 18.8 |
| Boilers | | | |
| Gas | 12.3 | 12.0 | + 2.5 |
| Electric | 0.1 | 0.1 | + 65.9 |
| Oil | 8.3 | 7.0 | + 19.6 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - FEBRUARY

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 98.5 | 102.5 | - 3.9 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 534.7 | 556.3 | - 3.9 |
| Electricity | 363.6 | 363.8 | - 0.1 |
| Fuel Oil | 488.2 | 589.0 | - 17.1 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 71.7 | 76.5 | - 6.3 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.17 | 5.50 | - 6.0 |
| Commercial | 4.84 | 5.23 | - 7.5 |
| Industrial | 3.60 | 4.01 | - 10.2 |
| Electric Generation | 2.81 | 3.13 | - 10.2 |
| Total | 4.64 | 4.95 | - 6.3 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 237.4 | 131.9 | + 80.0 |
| For Ultimate Consumers | 48.8 | 28.7 | + 70.0 |
| For Resale | 435.6 | 266.0 | + 63.8 |
| Total | 721.8 | 426.6 | + 69.2 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Feb. | 4.940 | 5.869 | 5.356 | 4.175 | 3.739 | 4.750 |
| | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan. | 4.643 | 5.634 | 5.018 | 3.665 | 2.520 | 4.320 |
| | Feb. | 4.606 | 5.581 | 4.993 | 3.615 | 2.502 | 4.210 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | Feb. | 5.20 | 5.66 | 5.44 | 4.31 | 4.44 | 3.89 |
| | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.71 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.96 | 5.45 | 5.19 | 3.97 | 4.11 | 3.54 |
| | Feb.[R] | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.13 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan. | 4.57 | 5.15 | 4.77 | 3.15 | 3.48 | 2.38 |
| | Feb. | 4.64 | 5.17 | 4.84 | 3.34 | 3.60 | 2.81 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1987 forecasts for the residential and commercial sectors are based on available 1987 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1987 monthly data with the remaining months of 1987 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

6/10/87 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

March 1987

Residential and electric generation sales increased while commercial and industrial sales decreased in March, 1987 compared with last year. Total utility sales were down from 1202.3 trillion Btu in March, 1986 to 1142.2 trillion Btu in March, 1987. Transportation volumes to end-users were up 92.9 percent compared with last year.

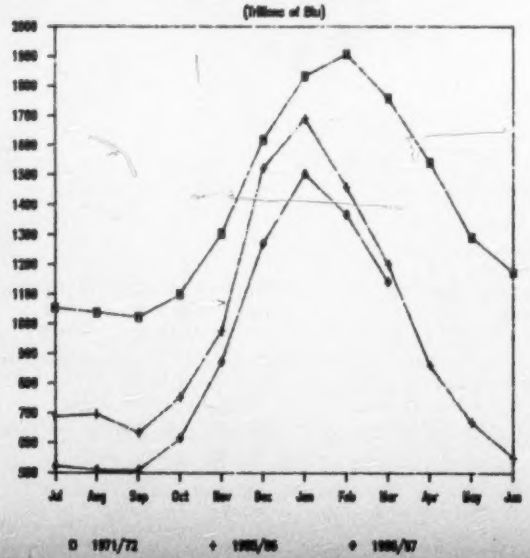
GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

| | March | | | Heating Season (Nov-Mar) | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | Nov-Mar | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 576.0 | 566.4 | + 1.7 | 3,068.7 | - 0.7 | 4,461.3 | 4,410.0 | + 1.2 |
| Commercial | 269.5 | 276.1 | - 2.4 | 1,448.1 | - 4.2 | 2,274.3 | 2,246.8 | + 1.2 |
| Industrial | 186.7 | 287.6 | - 35.1 | 1,078.1 | - 34.2 | 2,411.6 | 2,726.8 | - 11.6 |
| Elec. Gen. | 97.2 | 58.6 | + 65.8 | 495.5 | - 14.0 | 1,264.0 | 1,216.8 | + 3.9 |
| Other | 12.8 | 13.6 | - | 72.9 | - | 127.9 | 119.8 | - |
| Total Sales | 1,142.2 | 1,202.3 | - 5.0 | 6,163.3 | - 10.6 | 10,539.1 | 10,720.2 | - 1.7 |
| Transportation | 259.9 | 134.7 | + 92.9 | 1,149.0 | + 66.7 | | | |
| Total Volumes | 1,402.1 | 1,337.0 | + 4.9 | 7,312.3 | - 3.6 | | | |
| Degree Days* | 579 | 549 | + 5.5 | 3,624 | - 2.8 | | | |

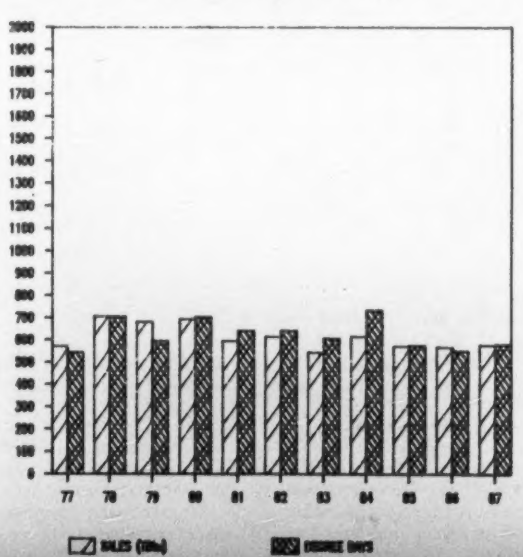
*Source: NOAA (Weighted by Gas Homeheating Customers - Normal for March is 657).

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES



MARCH RESIDENTIAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - MARCH
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 183.5 | 163.8 | + 12.0 |
| Electric | 279.1 | 240.0 | + 16.3 |
| Clothes Dryers | | | |
| Gas | 90.7 | 69.1 | + 31.3 |
| Electric | 299.3 | 244.9 | + 22.2 |
| Water Heaters | | | |
| Gas | 351.9 | 342.9 | + 2.6 |
| Electric | 301.3 | 306.4 | - 1.7 |
| Warm Air Furnaces | | | |
| Gas | 148.8 | 159.8 | - 6.9 |
| Electric | 39.0 | 33.1 | + 17.8 |
| Oil | 11.8 | 9.7 | + 22.5 |
| Boilers | | | |
| Gas | 11.7 | 9.0 | + 30.0 |
| Electric | 0.1 | 0.1 | - 48.7 |
| Oil | 9.3 | 7.6 | + 21.8 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - MARCH

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 137.3 | 143.8 | - 4.5 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 522.4 | 553.5 | - 5.6 |
| Electricity | 356.7 | 362.2 | - 1.5 |
| Fuel Oil | 496.8 | 543.5 | - 8.6 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 65.0 | 68.4 | - 5.0 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.22 | 5.57 | - 6.3 |
| Commercial | 4.75 | 5.20 | - 8.7 |
| Industrial | 3.65 | 3.94 | - 7.4 |
| Electric Generation | 2.51 | 2.72 | - 7.5 |
| Total | 4.61 | 4.94 | - 6.8 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 259.9 | 134.7 | + 92.9 |
| For Ultimate Consumers | 60.3 | 41.2 | + 46.4 |
| For Resale | 559.6 | 321.7 | + 74.0 |
| Total | 879.8 | 497.6 | + 76.8 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Mar. | 4.913 | 5.834 | 5.319 | 4.133 | 3.694 | 4.701 |
| | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan.[R] | 4.643 | 5.634 | 5.018 | 3.665 | 2.523 | 4.320 |
| | Feb.[R] | 4.595 | 5.580 | 4.940 | 3.614 | 2.505 | 4.210 |
| | Mar. | 4.556 | 5.535 | 4.884 | 3.578 | 2.496 | 4.157 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | Mar. | 5.20 | 5.84 | 5.51 | 4.27 | 4.40 | 3.91 |
| | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan.[R] | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb.[R] | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan.[R] | 4.58 | 5.15 | 4.78 | 3.15 | 3.50 | 2.34 |
| | Feb.[R] | 4.61 | 5.17 | 4.72 | 3.34 | 3.60 | 2.81 |
| | Mar. | 4.61 | 5.22 | 4.75 | 3.26 | 3.65 | 2.51 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1987 forecasts for the residential and commercial sectors are based on available 1987 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1987 monthly data with the remaining months of 1987 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

6/24/87 AT73-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

April 1987

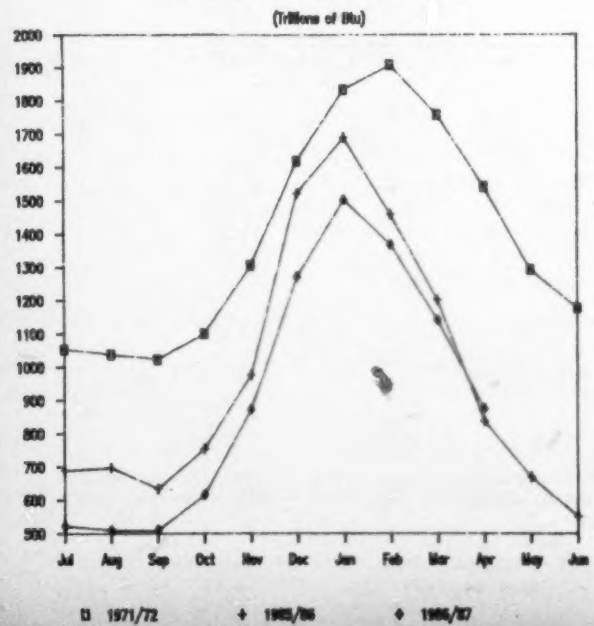
Residential, commercial and electric generation sales increased while industrial sales decreased in April, 1987 compared with last year. Total utility sales were up from 838.4 trillion Btu in April, 1986 to 874.8 trillion Btu in April, 1987. Transportation volumes to end-users were up 60.4 percent compared with last year.

GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

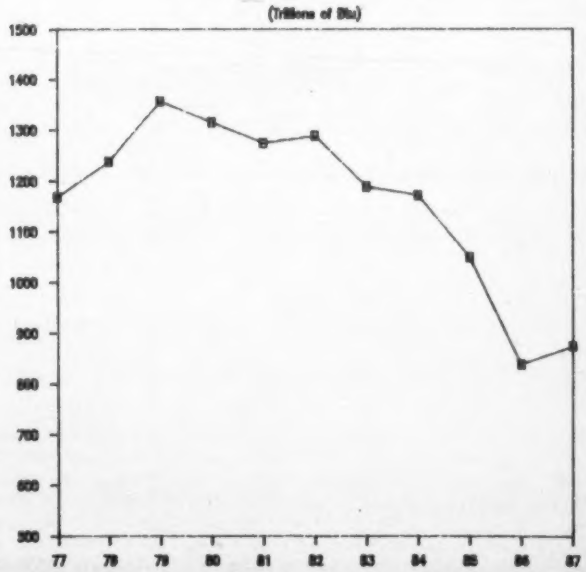
| | April | | | Year to Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | 1987 | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 389.5 | 352.5 | + 10.5 | 2,436.3 | - 0.8 | 4,439.6 | 4,410.0 | + 0.7 |
| Commercial | 188.2 | 174.1 | + 8.1 | 1,142.3 | - 2.3 | 2,259.7 | 2,246.8 | + 0.6 |
| Industrial | 170.2 | 240.8 | - 29.3 | 828.8 | - 31.8 | 2,341.0 | 2,726.8 | - 14.1 |
| Elec. Gen. | 116.4 | 62.0 | + 87.7 | 428.7 | + 31.1 | 1,318.4 | 1,216.8 | + 8.3 |
| Other | 10.5 | 9.0 | - | 58.8 | - | 127.0 | 119.8 | - |
| Total Sales | 874.8 | 838.4 | + 4.3 | 4,894.9 | - 5.6 | 10,485.7 | 10,720.2 | - 2.2 |
| Transportation | 244.9 | 152.7 | + 60.4 | 991.7 | + 76.7 | | | |
| Total Volumes | 1,119.7 | 991.1 | + 13.0 | 5,886.6 | + 2.4 | | | |

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




APRIL TOTAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - APRIL
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 157.0 | 144.0 | + 9.0 |
| Electric | 281.2 | 265.6 | + 5.9 |
| Clothes Dryers | | | |
| Gas | 73.5 | 68.1 | + 7.9 |
| Electric | 264.2 | 257.3 | + 2.7 |
| Water Heaters | | | |
| Gas | 353.2 | 343.8 | + 2.7 |
| Electric | 311.3 | 327.3 | - 4.9 |
| Warm Air Furnaces | | | |
| Gas | 137.6 | 139.8 | - 1.6 |
| Electric | 37.1 | 31.2 | + 18.8 |
| Oil | 10.9 | 9.2 | + 18.5 |
| Boilers | | | |
| Gas | 8.3 | 8.9 | - 6.2 |
| Electric | 0.1 | 0.1 | - 58.6 |
| Oil | 7.0 | 6.5 | + 7.5 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - APRIL

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 156.4 | 182.8 | - 14.4 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 519.9 | 551.7 | - 5.8 |
| Electricity | 354.1 | 358.5 | - 1.2 |
| Fuel Oil | 496.4 | 508.4 | - 2.4 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 56.7 | 54.3 | + 4.3 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.21 | 5.70 | - 8.6 |
| Commercial | 4.74 | 5.20 | - 8.8 |
| Industrial | 3.41 | 3.77 | - 9.5 |
| Electric Generation | 2.37 | 2.47 | - 4.0 |
| Total | 4.36 | 4.79 | - 9.0 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 244.9 | 152.7 | + 60.4 |
| For Ultimate Consumers | 58.6 | 40.3 | + 45.4 |
| For Resale | 519.7 | 304.5 | + 70.7 |
| Total | 823.2 | 497.5 | + 65.5 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Apr. | 4.889 | 5.819 | 5.292 | 4.091 | 3.629 | 4.682 |
| | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan. | 4.643 | 5.634 | 5.018 | 3.665 | 2.523 | 4.320 |
| | Feb. | 4.595 | 5.580 | 4.940 | 3.614 | 2.505 | 4.210 |
| | Mar. | 4.556 | 5.535 | 4.884 | 3.578 | 2.496 | 4.157 |
| | Apr. | 4.521 | 5.493 | 4.847 | 3.546 | 2.486 | 4.087 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | Apr. | 5.09 | 5.89 | 5.54 | 4.23 | 4.32 | 4.00 |
| | May | 4.97 | 6.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan. | 4.58 | 5.15 | 4.78 | 3.15 | 3.50 | 2.34 |
| | Feb. | 4.61 | 5.17 | 4.72 | 3.34 | 3.60 | 2.81 |
| | Mar. | 4.61 | 5.22 | 4.75 | 3.26 | 3.65 | 2.51 |
| | Apr. | 4.36 | 5.21 | 4.74 | 2.99 | 3.41 | 2.37 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1987 forecasts for the residential and commercial sectors are based on available 1987 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1987 monthly data with the remaining months of 1987 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

7/30/87 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

May 1987

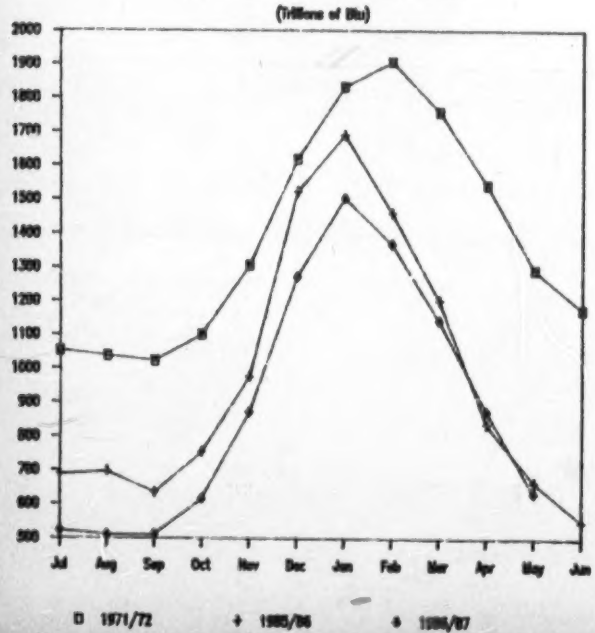
Residential, commercial and industrial sales decreased while electric generation sales increased in May, 1987 compared with last year. Total utility sales were down from 667.7 trillion Btu in May, 1986 to 634.0 trillion Btu in May, 1987. Transportation volumes to end-users were up 65.2 percent compared with last year.

GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

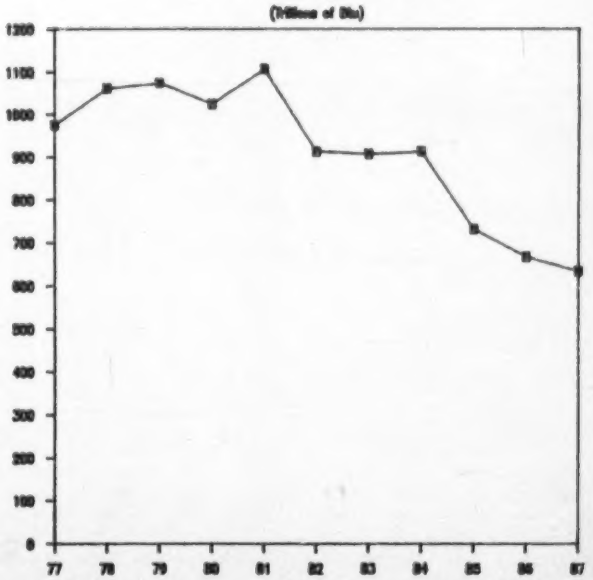
| | May | | | Year to Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | 1987 | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 217.6 | 227.8 | - 4.5 | 2,653.9 | + 0.4 | 4,407.3 | 4,410.0 | - 0.1 |
| Commercial | 115.3 | 122.2 | - 5.7 | 1,257.6 | - 2.7 | 2,241.7 | 2,246.8 | - 0.2 |
| Industrial | 151.0 | 209.1 | - 27.8 | 979.8 | - 31.2 | 2,282.9 | 2,726.8 | - 16.3 |
| Elec. Gen. | 142.5 | 101.6 | + 40.3 | 571.2 | + 33.2 | 1,359.3 | 1,216.8 | + 11.7 |
| Other | 7.6 | 7.0 | - | 66.4 | - | 126.7 | 119.8 | - |
| Total Sales | 634.0 | 667.7 | - 5.1 | 5,528.9 | - 5.6 | 10,417.9 | 10,720.2 | - 2.8 |
| Transportation | 271.4 | 164.3 | + 65.2 | 1,263.1 | + 74.1 | | | |
| Total Volumes | 905.4 | 832.0 | + 8.8 | 6,792.0 | + 3.2 | | | |

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




MAY TOTAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - MAY
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 154.2 | 150.3 | + 2.6 |
| Electric | 256.1 | 257.4 | - 0.5 |
| Clothes Dryers | | | |
| Gas | 68.8 | 65.2 | + 5.5 |
| Electric | 254.3 | 243.6 | + 4.4 |
| Water Heaters | | | |
| Gas | 290.5 | 269.6 | + 7.8 |
| Electric | 263.6 | 252.9 | + 4.2 |
| Warm Air Furnaces | | | |
| Gas | 118.4 | 151.0 | - 21.6 |
| Electric | 33.4 | 33.4 | - 0.0 |
| Oil | 8.6 | 9.1 | - 4.6 |
| Boilers | | | |
| Gas | 9.7 | 8.5 | + 14.2 |
| Electric | 0.1 | 0.1 | - 3.7 |
| Oil | 7.9 | 5.6 | + 40.5 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - MAY

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 155.5 | 180.9 | - 14.0 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 543.4 | 569.8 | - 4.6 |
| Electricity | 355.6 | 357.8 | - 0.6 |
| Fuel Oil | 493.9 | 484.6 | + 1.9 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 49.1 | 51.7 | - 5.1 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 5.71 | 5.98 | - 4.5 |
| Commercial | 4.89 | 5.18 | - 5.7 |
| Industrial | 3.23 | 3.59 | - 10.2 |
| Electric Generation | 2.24 | 2.62 | - 14.3 |
| Total | 4.17 | 4.56 | - 8.6 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 271.4 | 164.3 | + 65.2 |
| For Ultimate Consumers | 60.9 | 50.5 | + 20.6 |
| For Resale | 540.8 | 401.5 | + 34.7 |
| Total | 873.1 | 616.3 | + 41.7 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | May | 4.865 | 5.800 | 5.272 | 4.053 | 3.553 | 4.656 |
| | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan. | 4.643 | 5.634 | 5.018 | 3.665 | 2.523 | 4.320 |
| | Feb. | 4.595 | 5.580 | 4.940 | 3.614 | 2.505 | 4.210 |
| | Mar. | 4.556 | 5.535 | 4.884 | 3.578 | 2.496 | 4.157 |
| | Apr. | 4.521 | 5.493 | 4.847 | 3.546 | 2.486 | 4.087 |
| | May | 4.498 | 5.479 | 4.831 | 3.520 | 2.451 | 4.060 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind.& Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | May | 4.97 | 5.39 | 5.55 | 4.08 | 4.19 | 3.85 |
| | Jun. | 4.96 | 5.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.92 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan. | 4.58 | 5.15 | 4.78 | 3.15 | 3.50 | 2.34 |
| | Feb. | 4.61 | 5.17 | 4.72 | 3.34 | 3.60 | 2.81 |
| | Mar. | 4.61 | 5.22 | 4.75 | 3.26 | 3.65 | 2.51 |
| | Apr. | 4.36 | 5.21 | 4.74 | 2.99 | 3.41 | 2.37 |
| | May | 4.17 | 5.71 | 4.89 | 2.75 | 3.23 | 2.24 |

Editor - Susan Brown (703/841-8503)

[1]The percent change is a function of the 69 sample companies.
[2]1987 forecasts for the residential and commercial sectors are based on available 1987 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1987 monthly data with the remaining months of 1987 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.

9/1/87 A1775-2

AGA American Gas Association

# Monthly Gas Utility Statistical Report

1515 Wilson Boulevard
Arlington, Virginia 22209

Department of Statistics Telephone (703) 841-8503

June 1987

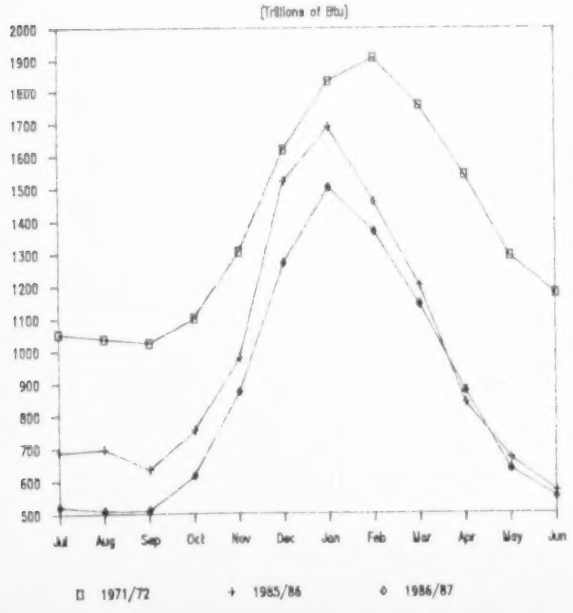
Residential, commercial and industrial sales decreased while electric generation sales increased in June, 1987 compared with last year. Total utility sales were down from 567.6 trillion Btu in June, 1986 to 548.4 trillion Btu in June, 1987. Transportation volumes to end-users were up 52.4 percent compared with last year.

GAS UTILITY VOLUMES TO ULTIMATE CONSUMERS (Trillions of Btu)

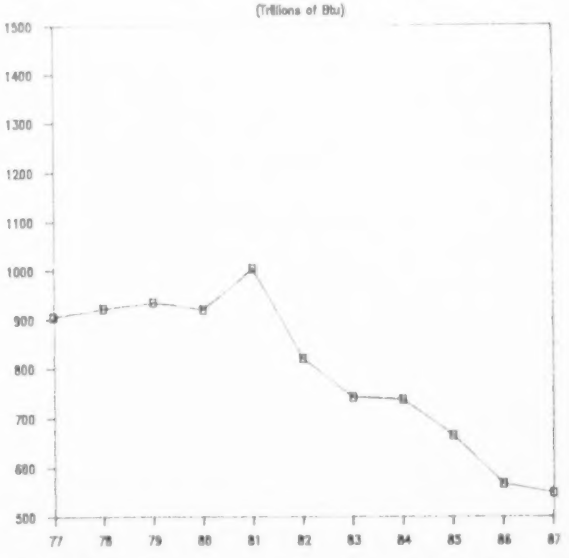
| | June | | | Year-to-Date | | January 1 to December 31 | | |
|---|---|---|---|---|---|---|---|---|
| | 1987 | 1986 | %Change[1] | 1987 | (% Change) Last Period | 1987 Forecast[2] | 1986[P] | % Change |
| Residential | 150.6 | 156.5 | - 3.8 | 2,804.5 | + 0.1 | 4,395.3 | 4,410.0 | - 0.3 |
| Commercial | 86.0 | 91.2 | - 5.7 | 1,343.6 | - 2.8 | 2,231.6 | 2,246.8 | - 0.7 |
| Industrial | 141.4 | 185.1 | - 23.6 | 1,121.2 | - 30.3 | 2,239.2 | 2,726.8 | - 17.8 |
| Elec. Gen. | 164.0 | 128.1 | + 28.0 | 735.2 | + 32.0 | 1,395.2 | 1,216.8 | + 14.7 |
| Other | 6.4 | 6.7 | - | 72.8 | - | 126.1 | 119.8 | - |
| Total Sales | 548.4 | 567.6 | - 3.3 | 6,077.3 | - 5.4 | 10,387.4 | 10,720.2 | - 3.1 |
| Transportation | 269.9 | 177.1 | + 52.4 | 1,533.0 | + 69.9 | | | |
| Total Volumes | 818.3 | 744.7 | + 9.9 | 7,610.3 | + 3.9 | | | |

Gas volumes are based on a sample of 69 companies whose sales constitute about 65 percent of the total gas utility sales to ultimate consumers. The peak year in total sales for the gas utility industry occurred in 1972.

TOTAL MONTHLY GAS UTILITY SALES




JUNE TOTAL GAS UTILITY SALES



## RESIDENTIAL APPLIANCE SHIPMENTS - JUNE
(Thousands of Units)

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Domestic Ranges | | | |
| Gas | 183.2 | 178.4 | + 2.7 |
| Electric | 289.1 | 300.9 | - 3.9 |
| Clothes Dryers | | | |
| Gas | 95.3 | 68.8 | + 38.5 |
| Electric | 330.8 | 254.8 | + 29.8 |
| Water Heaters | | | |
| Gas | 330.3 | 295.2 | + 11.9 |
| Electric | 299.9 | 275.6 | + 8.8 |
| Warm Air Furnaces | | | |
| Gas | 139.8 | 149.1 | - 6.2 |
| Electric | 32.0 | 35.4 | - 9.8 |
| Oil | 10.5 | 11.3 | - 6.8 |
| Boilers | | | |
| Gas | 14.4 | 13.5 | + 6.8 |
| Electric | 0.1 | 0.1 | + 8.0 |
| Oil | 10.8 | 9.5 | + 13.7 |

Source: Gas Appliance Manufacturers Association (GAMA)

## ECONOMIC INDICATORS - JUNE

| | 1987 | 1986 | % Change '86 vs '87 |
|---|---|---|---|
| Total Actual Private Housing Starts (Thous. of units) | 160.1 | 177.3 | - 9.7 |
| Consumer Price Index (All urban, unadjusted, 1967 = 100) | | | |
| Gas (utility pipe gas) | 540.6 | 570.6 | - 5.2 |
| Electricity | 385.3 | 387.4 | - 0.5 |
| Fuel Oil | 495.5 | 473.4 | + 4.7 |

Source: Department of Commerce, Bureau of Labor Statistics

| | | | |
|---|---|---|---|
| Index Total Gas Sales (1972 = 100) | 46.6 | 48.2 | - 3.3 |
| Gas Utility Prices ($/MMBtu) | | | |
| Residential | 6.38 | 6.39 | - 0.2 |
| Commercial | 5.06 | 5.12 | - 1.2 |
| Industrial | 3.19 | 3.53 | - 9.6 |
| Electric Generation | 2.14 | 2.36 | - 9.3 |
| Total | 4.06 | 4.32 | - 6.0 |
| Carriage Volumes[3] (Trillions of Btu) | | | |
| To Ultimate Consumers | 269.9 | 177.1 | + 52.4 |
| For Ultimate Consumers | 51.3 | 46.3 | + 10.8 |
| For Resale | 549.2 | 386.0 | + 42.3 |
| Total | 870.4 | 609.4 | + 42.8 |

Source: A.G.A.

## AVERAGE GAS UTILITY PRICES FOR THE 12 MONTH PERIOD ENDING
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. Only | Elec. Gen. | Other |
|---|---|---|---|---|---|---|---|
| 1978 | Dec. | 2.184 | 2.534 | 2.279 | 1.940 | 1.721 | 1.788 |
| 1979 | Dec. | 2.522 | 2.918 | 2.665 | 2.261 | 2.120 | 1.937 |
| 1980 | Dec. | 3.134 | 3.612 | 3.336 | 3.184 | 2.651 | 2.667 |
| 1981 | Dec. | 3.650 | 4.161 | 3.909 | 3.311 | 3.241 | 3.458 |
| 1982 | Dec. | 4.456 | 4.969 | 4.721 | 3.969 | 4.090 | 4.303 |
| 1983 | Dec. | 5.120 | 5.882 | 5.508 | 4.486 | 4.198 | 4.921 |
| 1984 | Dec. | 5.128 | 5.938 | 5.511 | 4.410 | 4.222 | 4.869 |
| 1985 | Dec. | 5.017 | 5.953 | 5.441 | 4.248 | 3.812 | 4.791 |
| 1986[P] | Jun. | 4.839 | 5.788 | 5.253 | 4.015 | 3.434 | 4.637 |
| | Jul. | 4.821 | 5.783 | 5.238 | 3.977 | 3.298 | 4.614 |
| | Aug. | 4.807 | 5.778 | 5.220 | 3.936 | 3.155 | 4.603 |
| | Sep. | 4.791 | 5.772 | 5.205 | 3.896 | 3.030 | 4.591 |
| | Oct. | 4.775 | 5.767 | 5.188 | 3.848 | 2.896 | 4.548 |
| | Nov. | 4.750 | 5.731 | 5.145 | 3.797 | 2.765 | 4.496 |
| | Dec. | 4.703 | 5.685 | 5.085 | 3.742 | 2.632 | 4.386 |
| 1987[P] | Jan. | 4.643 | 5.634 | 5.018 | 3.665 | 2.523 | 4.320 |
| | Feb. | 4.595 | 5.580 | 4.940 | 3.614 | 2.505 | 4.210 |
| | Mar. | 4.556 | 5.535 | 4.884 | 3.578 | 2.496 | 4.157 |
| | Apr. | 4.521 | 5.493 | 4.847 | 3.546 | 2.486 | 4.087 |
| | May | 4.498 | 5.479 | 4.831 | 3.520 | 2.451 | 4.060 |
| | Jun. | 4.484 | 5.477 | 4.828 | 3.499 | 2.422 | 4.063 |

## AVERAGE MONTHLY GAS UTILITY PRICES
($/MMBtu)

| Year | Month | Total | Res. | Comm. | Ind. & Elec. | Ind. Only | Elec. Only |
|---|---|---|---|---|---|---|---|
| 1985 | Jun. | 4.86 | 6.74 | 5.58 | 4.04 | 4.16 | 3.84 |
| | Jul. | 4.73 | 6.95 | 5.53 | 3.99 | 4.13 | 3.83 |
| | Aug. | 4.64 | 7.02 | 5.43 | 3.93 | 4.14 | 3.72 |
| | Sep. | 4.74 | 6.93 | 5.40 | 3.94 | 4.12 | 3.71 |
| | Oct. | 4.82 | 6.39 | 5.35 | 3.98 | 4.13 | 3.73 |
| | Nov. | 4.95 | 6.03 | 5.34 | 4.02 | 4.18 | 3.71 |
| | Dec. | 4.97 | 5.54 | 5.24 | 4.02 | 4.14 | 3.71 |
| 1986[P] | Jan. | 4.97 | 5.45 | 5.19 | 3.98 | 4.14 | 3.49 |
| | Feb. | 4.95 | 5.50 | 5.23 | 3.82 | 4.01 | 3.12 |
| | Mar. | 4.94 | 5.57 | 5.20 | 3.73 | 3.94 | 2.72 |
| | Apr. | 4.79 | 5.70 | 5.20 | 3.50 | 3.77 | 2.47 |
| | May | 4.56 | 5.98 | 5.18 | 3.27 | 3.59 | 2.62 |
| | Jun. | 4.32 | 6.39 | 5.12 | 3.05 | 3.53 | 2.36 |
| | Jul. | 4.30 | 6.80 | 5.12 | 3.03 | 3.48 | 2.39 |
| | Aug. | 4.26 | 6.82 | 4.96 | 3.03 | 3.46 | 2.47 |
| | Sep. | 4.36 | 6.70 | 5.01 | 3.06 | 3.45 | 2.53 |
| | Oct. | 4.54 | 6.28 | 5.04 | 3.13 | 3.50 | 2.44 |
| | Nov. | 4.67 | 5.59 | 4.84 | 3.29 | 3.62 | 2.47 |
| | Dec. | 4.62 | 5.21 | 4.79 | 3.33 | 3.69 | 2.57 |
| 1987[P] | Jan. | 4.58 | 5.15 | 4.78 | 3.15 | 3.50 | 2.34 |
| | Feb. | 4.61 | 5.17 | 4.72 | 3.34 | 3.60 | 2.81 |
| | Mar. | 4.61 | 5.22 | 4.75 | 3.26 | 3.65 | 2.51 |
| | Apr. | 4.36 | 5.21 | 4.74 | 2.99 | 3.41 | 2.37 |
| | May | 4.17 | 5.71 | 4.89 | 2.75 | 3.23 | 2.24 |
| | Jun. | 4.06 | 6.38 | 5.06 | 2.62 | 3.19 | 2.14 |

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[1]The percent change is a function of the 69 sample companies.
[2]1987 forecasts for the residential and commercial sectors are based on available 1987 monthly data with the remaining months derived by using a four year average. The industrial sector forecast (both industrial only and electric generation) is also based on available 1987 monthly data with the remaining months of 1987 heavily weighted by last years sales with no adjustment made for degree days.
[3]Carriage volumes determined by using a simple straight expansion of sample data to represent the total gas utility industry. Carriage volumes for ultimate consumers are volumes owned by the ultimate consumer but delivered to another transporter, not the ultimate consumer, and are therefore broken out to eliminate double counting of volumes delivered to ultimate consumers.
P-Preliminary.